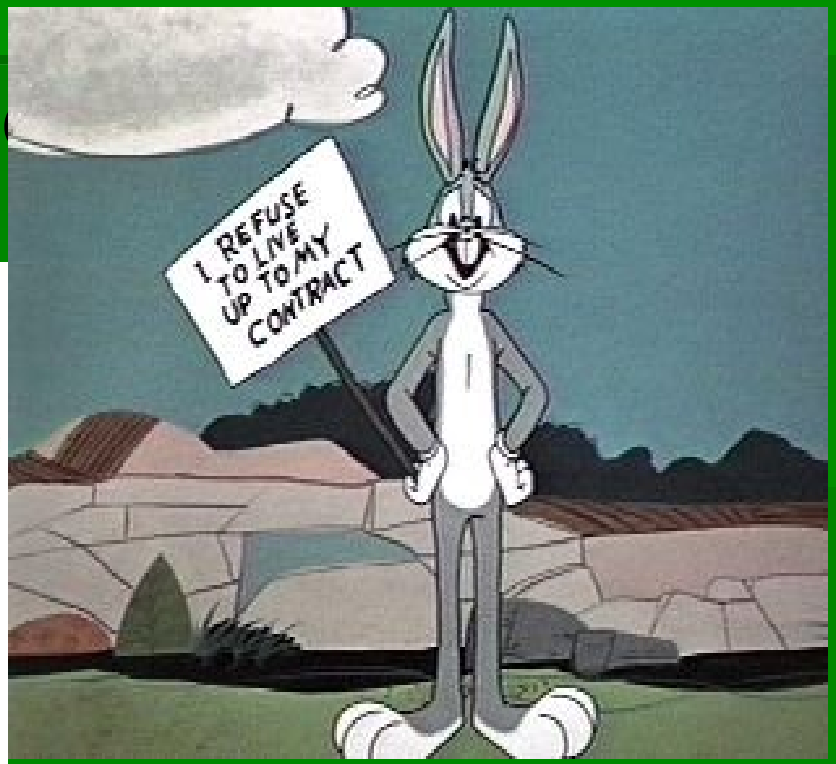
Herbal Smoking Blends:

- Spice, Spice Gold et



Objectives

- Describe chemicals found in Spice and their effects
- Discuss reasons for use
- List medical and possible legal consequences of use
- Discuss suggestions to curb use

Definition:

Herbal Smoking Blends: Usually smoked for Marijuana-like effects believed to be caused by a mixture of synthetic cannabinoid drugs. Several different Brands of Herbal Smoke have been marketed and shown to contain different proportions of the synthetic cannabinoid, active ingredients, and reportedly produce subtly different effects.

Ingredients

- traditionally used medicinal herbs, each produces mild effects; overall blend results in cannabis-like intoxication
- Common Ingredients: Baybean, Blue Lotus, Lion's Tail, Lousewort, Indian Warrior, Dwarf Scullcap, Maconha Brava, Pink Lotus, Marshmallow, Red Clover, Rose, Siberian Motherwort, Vanilla and Honey (Varied to Taste/Flavor).

Ingredients Cont.

- Baybean: known as a potentiator that enhances sensitization of other compounds. Smoked as a Marijuana substitute in Mexico.
- Blue Lotus/Nymphaea caerulea: known to have psychoactive properties, inducing slight stimulation, a shift in thought processes, enhanced visual perception, and mild closed-eye visuals.

Ingredients Cont.

- Lions Tail: Traditional uses include the control of painful, arthritic, and other inflammatory conditions. Used in South Africa for euphoric/inebriant effects.
- Indian warrior/Pedicularis densiflora: uses include muscle relaxer, tranquilizer, aphrodisiac, and sedative.

Ingredients Cont.

- Dwarf Scullcap: Known as a sedative with anti anxiety properties.
- Maconha brava/ zornia latifolia: known to have psychoactive effects. Used in Brazil as a visionary aid.
- Siberian Motherwort: Psychoactive Alkaloid, used as a marijuana substitute in Mexico and Brazil.

Ingredients Cont.

- Marshmallow: the root is helpful for soothing sore throats, chapped skin, and minor wounds.
- Red Clover: used to treat menopause, coughs, bronchitis, eczema, sores, scrofula. Contains compounds like caffeic acid that starve tumors and reduce inflammation.

Intoxicating Effects

- Similar to Marijuana: lowered blood pressure, impairment of psychomotor coordination, concentration, short-term memory.
- Duration: initial effects 20-30 min, high reportedly last 8-12 hours.

Brands/flavors

- Spice:

Ingredients: Baybean, Blue Lotus, Lion's Tail, Lousewort, Indian Warrior, Dwarf Scullcap, Maconha Brava, Pink Lotus, Marshmallow, Red Clover, Rose, Siberian Motherwort, Canavalia Maritime, Leonotis Leonurus, Leonurus Sibiricus, Pedicularis Densiflora, Scuttellaria Nana, Vanilla Planifolia, Zorinia Latifolia, Magnolia Officinalis, Rosa Gallica,

Brands/Flavors

- Dream

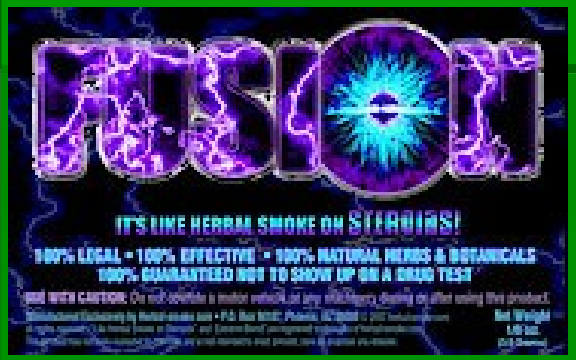
Ingredients: **:** Baybean, Blue Lotus, Lion's Tail, Lousewort, Indian Warrior, Dwarf Scullcap, Machona Brava, Pink Lotus, Marshmallow, Red Clover, Rose, Siberian, Vanilla and Honey.

Brands/Flavors

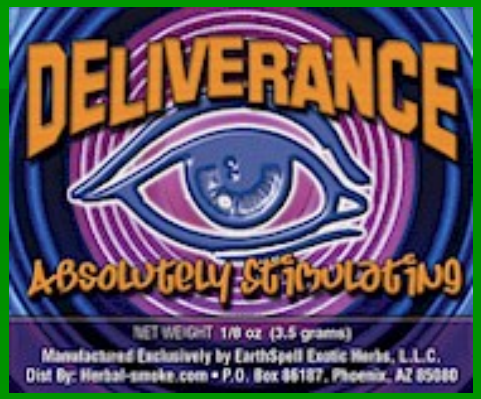
- Other Common Brands:

Brands/Flavors

- Others cont.


FUSION
IT'S LIKE HERBAL SMOKE ON STEROIDS!
100% LEGAL • 100% EFFECTIVE • 100% NATURAL HERBS & BOTANICALS
100% GUARANTEED NOT TO SHOW UP ON A DRUG TEST

Blaze
IT'S LIKE HERBAL SMOKE ON STEROIDS!
100% LEGAL • 100% EFFECTIVE
100% NATURAL HERBS & BOTANICALS
100% GUARANTEED NOT TO SHOW UP ON A DRUG TEST


DELIVERANCE
Absolutely Stimulating
NET WEIGHT 1/8 oz (3.5 grams)
Manufactured Exclusively by EarthSpell Exotic Herbs, L.L.C.
Dist By: Herbal-smoke.com • P.O. Box 86187, Phoenix, AZ 85080

Controlled Substances

- **Royal Society of Chemistry 2009 “Chemistry World”**
  - JWH-018, a cannabinoid receptor, has been found in herbal mixtures sold under various 'spice' names.
  - JWH-018 is four to five times more potent than tetrahydrocannabinol, or THC, the main psychoactive substance in cannabis.
  - The chemical structure does not look at all like THC, but it produces the same effects.'

Controlled Substances

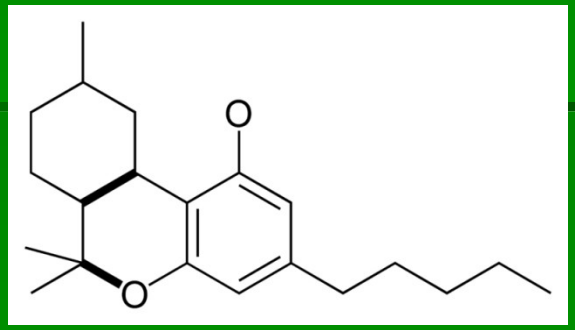
- HU-210 found present in small quantities in Herbal Smoke products.
- HU-210 has slightly different chemical structure than THC in marijuana.
  - Up to 800 times more potent than THC.
- HU-210 listed by DEA as Schedule I substance.

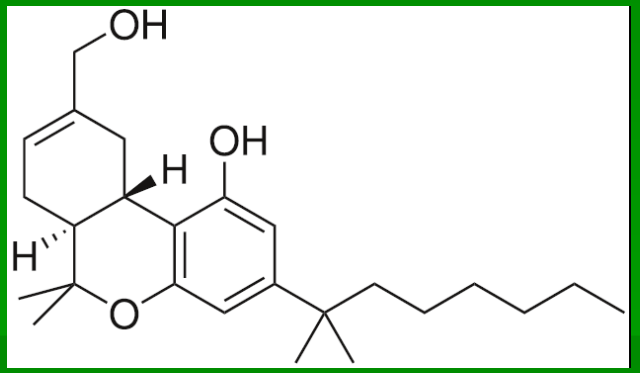
Analog Chemical Structures

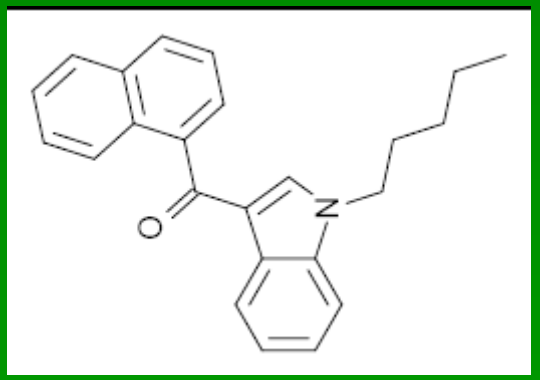
- THC Tetrahydrocannabinol
  - Psychoactive substance found in the Cannabis plant. isolated by Raphael Mchoulam.
- HU-210
  - Synthetic cannabinoid synthesized 1988 by Prof. Raphael Mchoulam, Hebrew University. 100 to 800 times more potent than natural THC.
- JWH-018
  - Analgesic drug which acts as a cannabinoid agonist. Produces effects similar to THC, but with a shorter duration of action.
  - 4 to 5 times more potent than THC.

Analog Chemical Structures

- THC
- HU-210
- JWH-018







Pricing

- Approximately $25/gram.
- Locally Approx. $75-$80/3gram pack.
- NOTE: Marijuana street price $5-$15/gram.
- Varied pricing dependant on quality.
- Paying for Security.

Legal Issues

- The **Federal Analog Act**, 21U.S.C Sect. 813, of the United States Controlled Substances Act, allows any chemical "substantially similar" to an illegal drug (Schedule I or II) to be treated as Schedule I.
- Must be intended for human consumption.

Case Law

- *USA v Damon S Forbes* (1992)
  - Question: whether alphaethyltryptamine (AET) was a controlled substance analogue. It was alleged that AET was “substantially similar” to tryptamine analogues dimethyltryptamine (DMT) and diethyltryptamine (DET).
  - AET,DMT,DET are Hallucinogens

Military Legal Issues

- UCMJ: Article 92: Failure to obey order or regulation
  - “Any person subject to this chapter who—
    - 1) violates or fails to obey any lawful general order or regulation;
    - (2) having knowledge of any other lawful order issued by a member of the armed forces, which it is his duty to obey, fails to obey the order; or
    - (3) is derelict in the performance of his duties; shall be punished as a court-martial may direct.”

What to Do?

- Newest in a long line of mind altering substances used as a way to skirt drug laws.
  - No different than Prohibition, Methamphetamine, LSD, MDMA, and other designer drugs
  - People will always find a way to alter their state of consciousness.

Problem is Two-Fold

- Matter of Personal Integrity.
  - No urinalysis test available.
  - A person can get high using chemicals found under any given sink, or at any grocery.
  - It’s a personal choice not to use mind altering substances.
- Lack of deterrents.
  - Separation in lieu of punishment.

Suggestions

- Create a form of punishment to deter future offenders.
  - Our target is the Soldier considering getting high, not the one who already popped.
  - Confinement, Work Details, Public Shame, etc.

Suggestions Cont.

- Be Proactive.
  - Random, continued drug/health and welfare sweeps in barracks.
  - Fusion between DOD LE and Local LE.
  - Rewards/incentives for reporting narcotics related intelligence.

Questions/Comments?

Additional information about Spice or other drugs can be obtained by contacting:

Ft Gordon Army Substance Abuse Program
202 7th Avenue, Bldg 38702
(706) 791-5797 / 7148,
or visit the Army Center for Substance Abuse Programs website at www.acsap.army.mil.